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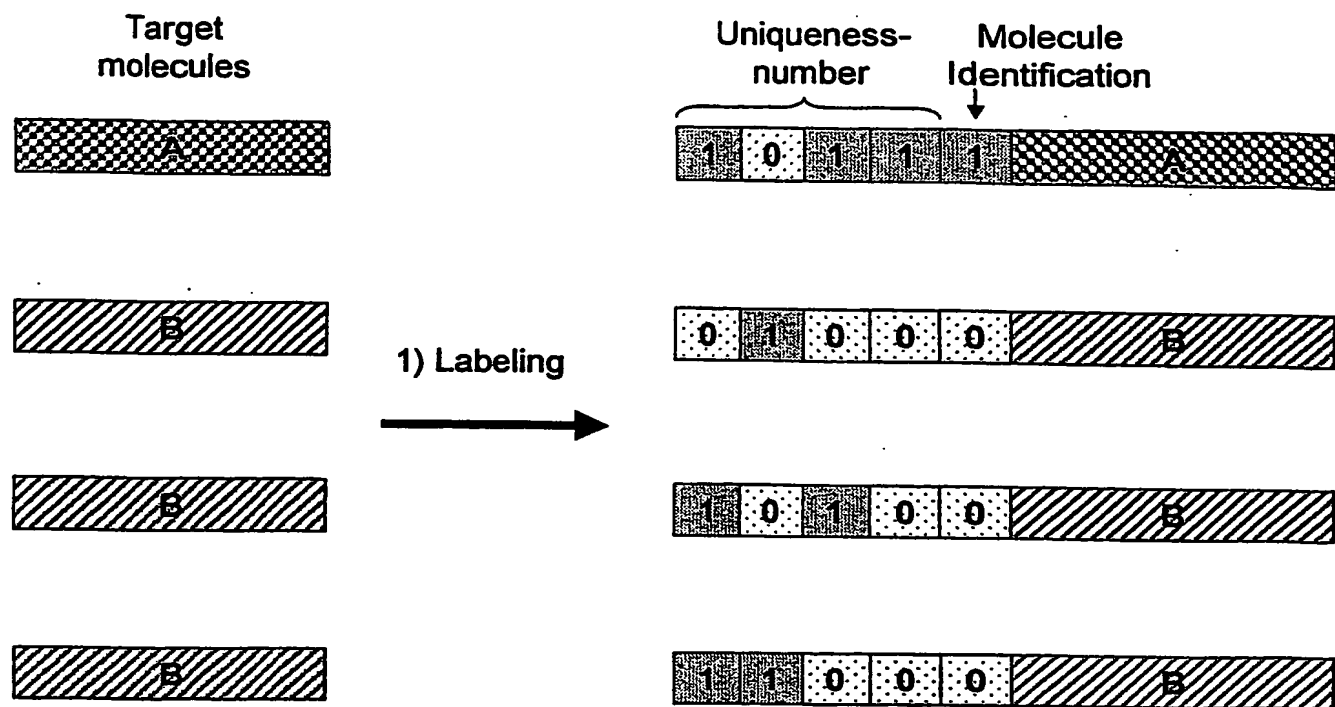


Fig. 1

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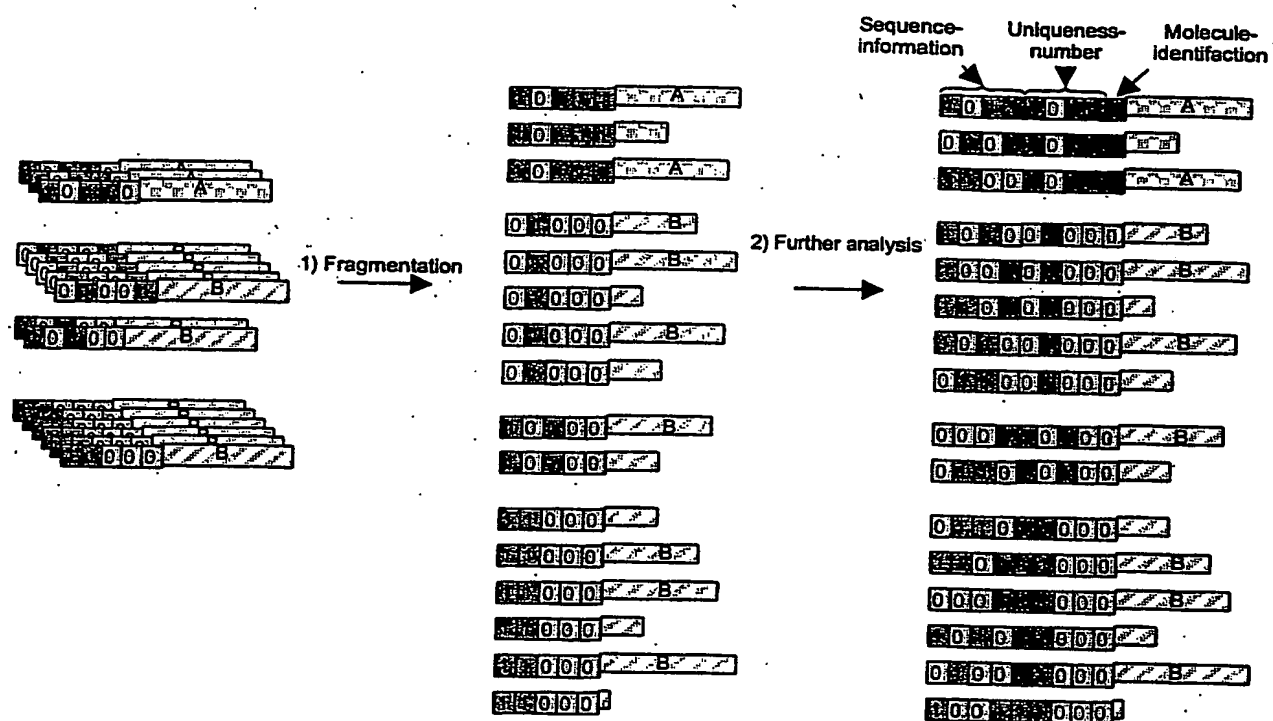
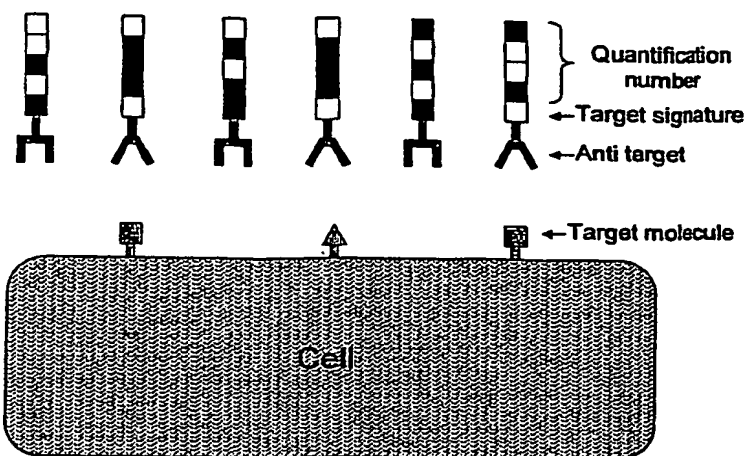
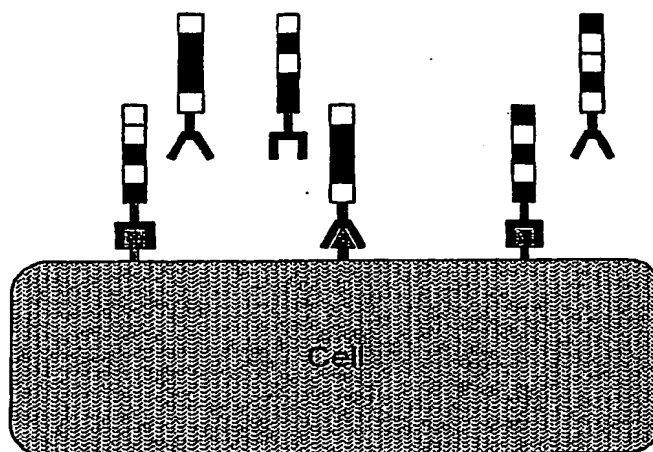


Figure 2

1) Mix Design Polymers and target molecules:



2) Design Polymers are attached to target molecules:



3) Remove unattached Design Polymers and amplify the remaining Design Polymers:

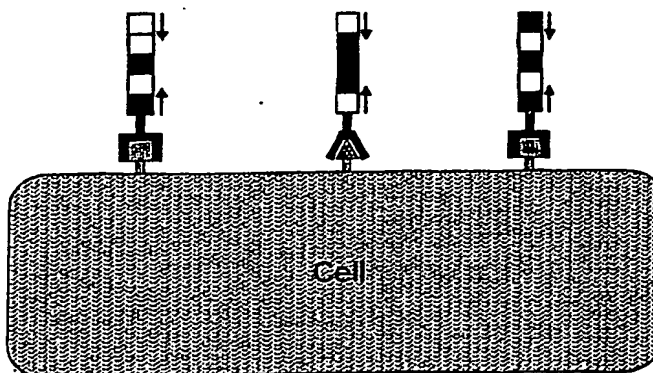
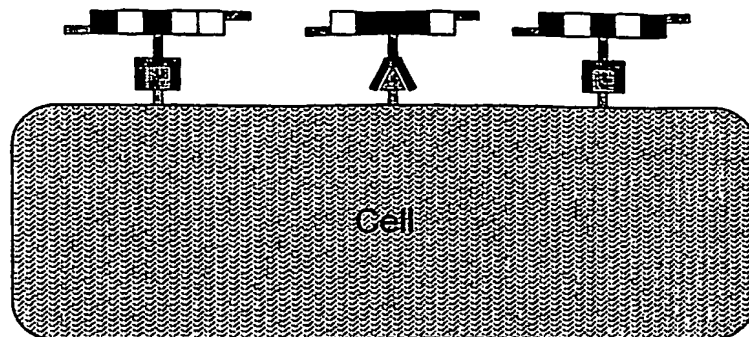
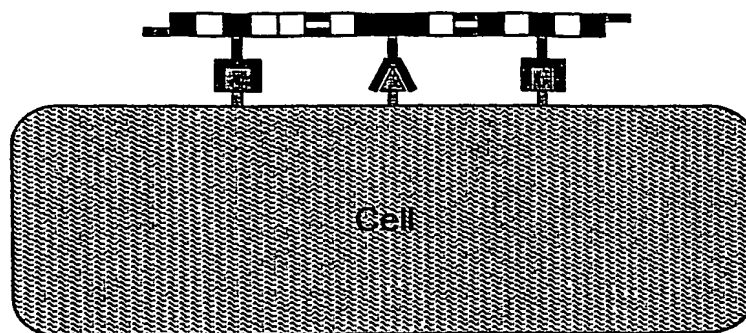


Fig. 3

1) Design Polymers are attached to target molecules:



2) Allow molecular complexes to move in the membrane and ligate adjacent Design Polymers:



3) Attach end adapters with primer template and amplify the linked Design Polymers:

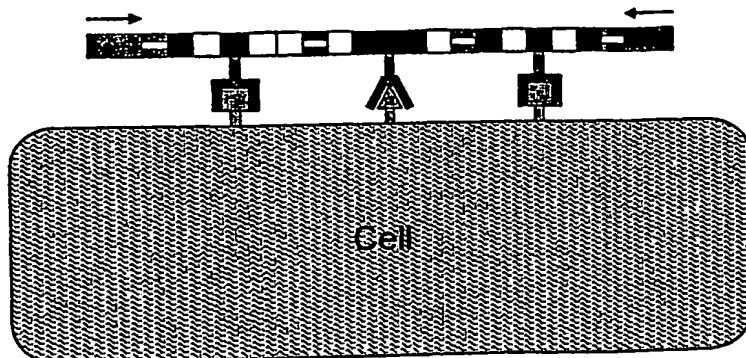


Fig. 4